CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 27.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and drains opp. Govt. Hospital Mallasandra in Ward No.14, Bagalagunte, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.02.2017	27.03.2017	8.125	479.3	21.30
2	27.02.2017	27.03.2017	8.209	498.9	22.17
3	27.02.2017	27.03.2017	8.378	510.3	22.68

*Information is furnished by the Customer/Representative.

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Technical Manager

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* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	30.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.03.2017	30.03.2017	8.115	482.3	21.44
2	02.03.2017	30.03.2017	8.226	498.6	22.16
3	02.03.2017	30.03.2017	8.305	512.3	22.77

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Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	30.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.03.2017	30.03.2017	8.138	485.5	21.58
2	02.03.2017	30.03.2017	8.295	490.2	21.79
3	02.03.2017	30.03.2017	8.336	513.6	22.83

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Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Pre Slab/2016-17 06.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and drains opp. Govt. Hospital Mallasandra in Ward No.14, Bagalagunte, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Sample ID	:	Precast slab
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	02.03.2017
Date of Testing	:	06.03.2017

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.402	2527.62	1.62	0.959	32.50	16.55	17.88	18.64	23.30
2	50.00	82.00	0.405	2515.42	1.64	0.961	33.15	16.88	18.23	17.52	21.91
3	50.00	83.00	0.409	2509.66	1.66	0.963	33.95	17.29	18.67	17.99	22.49

* Information is furnished by the Customer/Representative

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* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	13.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.02.2017	13.03.2017	8.135	491.7	21.85
2	13.02.2017	13.03.2017	8.298	516.3	22.95
3	13.02.2017	13.03.2017	8.335	528.2	23.48

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